# Mountain Weather Forecast

## Lake District National Park

Forecast valid from 00:00 on Tuesday 10 Dec 2024 until 23:59 on Wednesday 11 Dec 2024

Forecast Issued on Monday 09 Dec 2024 at 12:00

**Confidence:** High confidence for high pressure dominating through the period, lower for cloud detail later in the week.

**Headline for Tuesday 10 Dec 2024:** Dry with a good deal of sunshine through the day. Feeling cold.

**Mountain weather hazards on Tuesday 10 Dec 2024**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy persistent snow**<br>No Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>No Likelihood | **Severe chill effect**<br>High Likelihood | **Poor visibility**<br>No Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>No Likelihood | **Strong sunlight**<br>No Likelihood |

| **Weather and chance of precipitation at 800m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| Clear night | Clear night | Clear night | Sunny | Sunny | Clear night | Partly cloudy (night) | Partly cloudy (night) |
| Precipitation probability | | | | | | | |
| <05% | <05% | <05% | <05% | <05% | <05% | <05% | <05% |

**Forecast for Tuesday 10 Dec 2024**

**Weather:** Dry with largely clear skies during the overnight period. Mostly sunny through the day, perhaps some patchy cloud in the east. A little cloudier into the evening but cloud above summits.

**Chance of cloud-free hill tops above 800m:** 90%

**Low cloud and visibility:** Visibility good or very good.

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# Mountain Weather Forecast

**Forecast for Tuesday 10 Dec 2024**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | 18/23 NE | 17/22 NE | 17/21 NE | 14/18 NE | 15/19 NE | 10/13 E | 10/14 NE | 10/14 E | 8/11 E |
| **600** | 12/18 NE | 12/17 NE | 10/14 NE | 9/12 NE | 8/13 NE | 5/8 NE | 7/10 NE | 7/10 NE | 6/8 E |
| **300** | 3/11 N | 8/18 NE | 3/11 NE | 3/11 NE | 4/11 NE | 2/8 NE | 4/10 NE | 3/9 NE | 2/7 E |
| **Valley** | 6/14 NE | 7/16 NE | 5/9 NE | 5/10 NE | 6/11 NE | 4/7 NE | 7/12 NE | 5/9 NE | 4/7 NE |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | -2/-8 | -1/-8 | -2/-8 | -2/-7 | -1/-7 | -2/-6 | -2/-7 | -2/-7 | -3/-7 |
| **600** | -0/-5 | -0/-6 | -1/-5 | -1/-5 | 0/-4 | 0/-2 | -1/-5 | -1/-4 | -1/-4 |
| **300** | 1/-0 | 1/-2 | -0/-2 | 0/-2 | 3/1 | 2/0 | 1/-2 | 0/-1 | 0/-1 |
| **Valley** | 4/2 | 4/1 | 3/1 | 3/1 | 5/3 | 5/3 | 4/1 | 3/1 | 3/1 |
| **Freezing Level*** | 500m | 500m | 400m | 400m | 500m | 600m | 500m | 500m | 500m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Feeling very cold at height, be prepared with appropriate layers.

**Forecast for Wednesday 11 Dec 2024**

**Weather:** Patchy cloud and clear spells overnight, best of the clear skies in the west. Perhaps some valley fog patches in the north. Another mainly sunny day with patchy cloud into the evening.

**Maximum wind:** Light, variable winds

**Chance of cloud-free hill tops above 800m:** 90%

**Low cloud and visibility:** Few or scattered cloud base 700-900m, mainly during the evening. Visibility mainly good or very good, very poor in any early fog.

**Temperature:** **Valleys:** Plus 2 to 5 Celsius
**At 800m:** Minus 1 or 2 Celsius
**Freezing level:** 600m

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# Mountain Weather Forecast

**Ground Conditions Supplement**

Date: Monday 9 December 2024 Location: Blencathra summit 868m at 10:48 UTC. Full report: Today's report is from the northern fells - Blencathra summit. With ground conditions likely remaining similar on the Helvellyn range as yesterday, the daily report is centred on Blencathra and the northern fells area. Yesterday's light snow covering on the Blencathra summit area is now only isolated and avoidable remnants of thawing ice, the freeze line was just above summit level leaving rocky areas damp and greasy. Sharp Edge, for example, was ice free but is especially greasy in cold damp conditions and care is still definitely required. Looking across the northern fells, most tops were cloud free intermittently and higher western fells, such as Great Gable, appeared to be snow free. The Helvellyn range remained in cloud throughout but is likely still holding some winter conditions as reported yesterday. Tomorrow expect more settled weather, summits are likely to be clear at times and the wind speeds should be much lower than recent days, after an early frost the freeze line is due to be above summit height so remaining areas of snow and ice may recede further. Full winter clothing will still be required and micro spikes will still be useful where rime ice and snow remains, the Helvellyn ridges for example. Temperature: plus 0.5 C, Maximum wind speed 38.5 mph, Wind chill: minus 9.8 C, Average wind speed: 28.4 mph

Issued at: 1200 on Mon 09 Dec 2024

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